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## ABSTRACT

Pharyngoesophageal monitoring systems are provided that monitor the environment of the pharynx and esophagus, and in some embodiments, detect and monitor refluxate, and may further record other physical episode data. The system may be provided, in some embodiments, as a bifurcated, adjustable, multiple internal reference probe, and methods thereof, to detect acid reflux and to monitor pH levels of acid reflux episodes simultaneously at multiple locations within the pharyngoesophageal passage. Some embodiments provide a recorder and one or a plurality of sensor arrangements, the recorder being responsive to the sensors and capable of correlation of signals generated by the sensor arrangements.

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